

Purchase Order Receipt Listing

Tuesday, July 21, 2015 10:12:26 AM

All amounts are calculated in domestic currency.

Page 1 of 1

All Vendors PO ID PO29149 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Date/	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-CORP001 Thyssenkrupp Materials CA Ltd											
PO29149 USD	1 No		M304S16GA 304/316 Sheet .063 m132797	SF sf	7/20/2015 64.0000	7/21/2015 DCUSER	64.0000	\$5.00 \$320.00	0.0000 0.0000	0 0	\$320.00
	2 No		M304S24GA 304/316 .025 Sheet m132797	SF sf	7/20/2015 32.0000	7/21/2015 DCUSER	32.0000	\$2.84 \$90.75	0.0000 0.0000	0 0	\$90.75
	3 No		M304S18GA 304/316 .050 Sheet m132797	SF sf	7/20/2015 64.0000	7/21/2015 DCUSER	64.0000	\$4.00 \$256.00	0.0000 0.0000	0 0	\$256.00
	4 No		M6061T6B1.500X04. f 000 6061T6 Bar 1.500 x 4.00 m132797	f f	7/20/2015 12.0000	7/21/2015 DCUSER	12.0000	\$17.50 \$210.00	0.0000 0.0000	0 0	\$210.00
	5 No		M6061T6B2.000X01. f 250 6061-T6 Bar 2.00 x 1.25 m132797	f f	7/20/2015 12.0000	7/21/2015 DCUSER	12.0000	\$7.50 \$90.00	0.0000 0.0000	0 0	\$90.00

Total Received Quantity: 184.0000
Total Qty to Inspect (PO U/M): 0.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$966.75
Total Balance Due Quantity: 0.0000

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Page: 1 ... Continued

Heat Number 103621 2 1-A-1	Tag No 434873	Quantity 12 FT	PCS 1	WT LBS 36
ALUMINUM FLAT BAR 6061-T6511 1.250" X 2.00" X 144.0000"	5 Your PO # 29149			
Heat Number 104212-2-1-A-1	Tag No 434872	Quantity 12 FT	PCS 1	WT LBS 86
ALUMINUM FLAT BAR 6061-T6511 1.50" X 4.00" X 144.0000"	4 Your PO # 29149			
Heat Number DNJ007-AAC	Tag No 435008	Quantity 64.00 SFT	PCS 2	WT LBS 121
STAINLESS STEEL SHEET 304-2B .0480 Nom X 48.0000" X 96.0000"	3 Your PO # 29149			
Heat Number A1303883	Tag No 435007	Quantity 32.00 SFT	PCS 1	WT LBS 31
STAINLESS STEEL SHEET 304-2B 0250 Nom X 48.0000" X 96.0000"	2 Your PO # 29149			
Heat Number BOA005-AFD	Tag No 435089	Quantity 64.00 SFT	PCS 2	WT LBS 154
STAINLESS STEEL SHEET 304-2B .0600 Nom X 48.0000" X 96.0000"	1 Your PO # 29149			

B I L L O F L A D I N G

Ship Date 17 Jul 15 at 16:35 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt: PREPAID
Route 0-0 Manifest
Vehicle
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5G6
Tel: 905 669 9444 Fax: 905-738-9033
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Page: 2 Last

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT. * *** 9:00 AM TO 4:00 PM ***
***** TEL. 800-926-2600 *****
***** WE STOCK STAINLESS STEEL *****
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

TOTAL 1 BDL, 2 SKIDS GW. 570 LBS

*** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
ATTN: CHANTAL/LINDA
TO SHIPPING.
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
WILL TEST REPORTS, PACKING SLIPS ARE TO SENT

Heat Number
103621 2 1-A-1
104212-2-1-A-1
A1303883
BOA005-AFD
DNJ007-AAC

*** Chemical Analysis ***

TOTAL:

Tags 5
PCS 7
LBS 428

B I L L O F L A D I N G

Ship Date 17Jul15 at 16:35 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033
Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

No: PEC 944947

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0600 Nom X 48.0000" X 96.0000"
PART NO.

PO/REL 29149

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

17Jul15

Pg 1/1

Signed by:

BL PEC-944947-001



遠錫鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書

MILL TEST CERTIFICATE(S)

列印日期 ISSUE DATE: 2015/03/24

DAS
1A
9-88

高雄市中區中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chianjin
Chiuh Kaohsiung, Taiwan
TEL: 886-7-9685838 FAX: 886-7-9685768
http://www.yuenchang.com.tw

Thyssenkrupp Steel Services A Division Of Thyssenkrupp Materials Na Inc 22355 West Eleven Mile Road Southfield Mi 48033 USA																	
Thyssenkrupp Materials NA PO PEC-264559																	
Description Of Goods And/Or Services: Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480.																	
項目 Item	鋼捲編號 Coil No.	爐號 Heat Number(S)	鋼種 Steel Grade	表面 Finish	厚度尺寸 Thickness x Width x Length	淨重 Net Weight (KGS)											
AF009	CAAL0268-14	DNF010-ADG	304	2B	26GA x 48 x 96	1,727											
AF010	CCWR0003-18	AOA004-AAB	304	2B	20GA x 48 x 96	1,102											
AF011	CCWR0003-19	AOA004-AAB	304	2B	20GA x 48 x 96	1,104											
AF003	CATF0015-20	BOA005-AFD	304	2B	16GA x 48 x 96	1,736											
AF001	CATF0015-18	BOA005-AFD	304	2B	16GA x 48 x 120	1,086											
AF002	CATF0015-19	BOA005-AFD	304	2B	16GA x 48 x 120	1,087											
AF008	CCYL0003-54	AOA002-AAD	304	2B	14GA x 48 x 144	901											
AF006	CARS0019-13	BOB006-ABD	304	2B	12GA x 48 x 96	1,073											
化學成分 Chemical Analysis (%)							機械性質 Mechanical Properties										
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/MM2	Y.S(0.2%) N/MM2	Elong (%)	HB	HRB	HV
AF009	0.045	0.480	1.158	0.037	0.0022	18.055	8.010	0.042	0.043			765	300	58.0		83.5	
AF010	0.023	0.300	1.380	0.029	0.0112	18.250	8.040	0.071	0.310	0.110		651	294	57.0			160.0
AF011	0.023	0.300	1.380	0.029	0.0112	18.250	8.040	0.071	0.310	0.110		651	294	57.0			160.0
AF003	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0		83.0	
AF001	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0		83.0	
AF002	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0		83.0	
AF008	0.042	0.510	0.980	0.033	0.0020	18.190	8.040	0.058				644	280	54.9		83.5	
AF006	0.040	0.440	1.070	0.030	0.0020	18.200	8.000	0.040	0.188	0.040		650	272	56.0		83.5	
茲證明本廠所製產品，均依材料規格製造及試驗，並符合規格之要求。 We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.																	
本產品無輻射污染，並且不含汞。The material described above is free from radiation contamination and mercury. 本證明書符合EN10204/Type 3.1規格。Inspection certificate in accordance with EN10204/Type 3.1. 本廠所製產品均符合ASTM A240規格要求。All the above products conform to the requirements specified in ASTM A240.																	
We Hereby Certifying The Material To ASTM A240/ A480 As Per EN 10204/ 3.1																	
<div style="display: flex; justify-content: space-between;"> <div> <p>Per and on behalf of YUEN CHANG STAINLESS STEEL CO., LTD.</p> <p><i>(Signature)</i> Authorized Signatory</p> </div> <div> <p>QC Manager ISO 9001</p> <p><i>(Signature)</i> David Wang</p> </div> </div>																	

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0.480 Nom X 48.000" X 96.000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-944947-003

17Jul15
Pg 1/1

Signed by: 



遠鋆鋼股份有限公司

YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書

MILL TEST CERTIFICATE(S)

列印日期: 2014/12/24

DAS
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9-89

高雄市中區中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chienjin
Chiuh, Kaohsiung, Taiwan
TEL : 886-7-9695858 FAX : 886-7-9685768
http://www.yuenchang.com.tw

客戶名稱 Customer	Thyssenkrupp Steel Services A Division of Thyssenkrupp Materials NA Inc 22355 West Eleven Mile Road Southfield, MI 48033 USA																
商品描述 Desc. Of Goods	Description of Goods and/or Services: Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480 In Grade 304, No.4 Finish Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480 In Grade 304, 2B Finish																
項目 Item	鋼捲編號 Coil No.	爐號 Heat Number(s)	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length	淨重 Net Weight (KGS)											
AB009	CCBA0302-11	DNJ007-AAC	304	2B	0.047" x 48" x 96"	1,446											
AB005	CC3C0728-19	ANJ015-ABB	304	2B	0.059" x 48" x 96"	1,485											
AB019	CC3C0728-32	ANJ015-ABB	304	2B	0.059" x 48" x 96"	1,485											
AB002	CC3C0728-14	ANJ015-ABB	304	2B	0.059" x 48" x 120"	991											
AB003	CC3C0728-15	ANJ015-ABB	304	2B	0.059" x 48" x 120"	992											
AB010	CARQ3668-27	BNE007-ABB	304	2B	0.059" x 60" x 120"	1,452											
AB012	CCYK0271-21	ANJ014-AAF	304	2B	0.106" x 48" x 120"	1,454											
AB006	CAWB0299-09	BNG001-AAF	304	2B	0.118" x 48" x 96"	972											
							機械性質 Mechanical Properties										
							化學成分 Chemical Analysis										
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/MM2	Y.S(0.2%) N/MM2	Elong (%)	HB	HRB	HV
AB009	0.020	0.300	1.360	0.029	0.0062	18.300	8.030	0.070	0.250	0.090		633	276	58.0			161.0
AB005	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB019	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB002	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB003	0.017	0.300	1.390	0.031	0.0055	18.280	8.010	0.074	0.260	0.100		611	277	56.0			169.0
AB010	0.030	0.570	1.140	0.030	0.0010	18.200	8.000	0.050	0.024			666	267	50.0		85.5	
AB012	0.047	0.470	1.010	0.034	0.0040	18.180	8.120	0.059				632	281	54.1		84.6	
AB006	0.050	0.501	1.108	0.034	0.0035	18.190	8.050					658	243	61.0			167.0

茲證明本表所列產品，均係材料規格製造及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

本產品無任何污染，並且不含汞。The material described above is free from rad et on contamination and mercury.

本產品符合 EN10204 Type 3.1 認證。Inspection certificate in accordance with EN10204 Type 3.1.

本產品均符合 ASTM A240/A480 規格要求。All the above products conform to the requirements specified in ASTM A240.

We hereby Certifying The Material in ASTM A240/A480 As Per EN 10204 3.1

Yuen Chang Materials Inc. P.O. Box 29245

QC Manager

Jacky Chang

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" X 144.0000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-944947-005

17Jul15

Pg 1/1

Signed by:

Nanshan America

Advanced Aluminum Technologies

3600 US Hwy 52 South

Lafayette, Indiana 47909

Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

BILL TO 10038 - B01-ThyssenKrupp Materials NA, Torol		MANIFEST NUMBER 7261	DIE NUMBER 1426	DATE OF SHIPMENT 5/6/2015	OUR ORDER NUMBER 103621	ITEM 2
SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Torol		CUSTOMER PO PEC-266429	ALLOY 6061	SALESMAN Scott Rarick	Applicable Requirements ASTM B221-14 AMS-QQ-A-200/8 (2012-09) T6511 also conforms to T6 ASME SB221 - 1998 sect II	
CUSTOMER PART NUMBER 40-00717		CUSTOMER PART NUMBER 40-00717	TEMPER T6511	DESCRIPTION Flat Bar 1.250" X 2.000", Stenciled		
Melted in USA						
Manufactured in USA						

DAS
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9-89

Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
103621 2 1-A-1	6061	15040727	04/29/15	51.1	46.4	19%		

Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	V	B	Zr	Pb	Bi	Sr	Co	Each	Total
6061	0.00	0.40	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Minimum	0.00	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15
Maximum																			

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	V	B	Zr	Pb	Bi	Sr	Co	Al	Other
1504136	0.67	0.36	0.30	0.06	0.86	0.08	0.01	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	97.60	0.00

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.

Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements)

Edward Minarik
Quality Manager

无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co., Ltd

PAGE 2 OF 2

产品质量证明书 MATERIAL TEST CERTIFICATE

DAS 14 1507122

9-89

品名: STAINLESS STEEL SHEETS,
Commodity SLIT HDGE

单号: EX1309301GS

货方: GLOBAL STAINLESS STEEL INC.

用厂家: GLOBAL STAINLESS STEEL INC.

ONSIGNEE

牌号: 304

Type

表面加工: 2B

编号: EX1309301

Invoice No.

发行日期: 2013-10-26

ONSIGNEE																		Specification	
序号 No.	货物编号 Product No.	产品尺寸 Product Size			数量 Number	重量 Weight Kg	拉伸试验 Tensile Test			表面 硬度 Hardness HRB	炉批号 HEAT NO.	化 学 成 分 Chemical Composition (%)							
		厚度 Thickness		长度 Length			屈服强度 0.2% YS N/mm ²	抗拉强度 TS N/mm ²	延伸率 EL %			C	Si	Mn	P	S	Ni	Cr	N
		厚度 Thickness	宽度 Width																
12	13102612	0.6096	1219.2	2438.4	118	1612	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
13	13102613	0.6096	1219.2	2438.4	118	1616	250	690	57	83	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
14	13102614	0.7620	1219.2	2438.4	88	1644	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
15	13102615	0.7620	1219.2	2438.4	87	1626	271	665	58	89.5	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
16	13102616	1.2192	1219.2	2438.4	54	1494	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
17	13102617	1.2192	1219.2	2438.4	50	1378	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
18	13102618	1.2192	1219.2	3048	42	1460	267	695	55	87	A1303987	0.0400	0.550	1.1000	0.0330	0.0010	8.0200	18.160	0.0400
19	13102619	1.2192	1219.2	3048	45	1574	267	695	55	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0200	18.160	0.0400
20	13102620	1.5240	1219.2	2438.4	43	1485	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300
21	13102621	1.5240	1219.2	2438.4	43	1487	271	680	52	87	A1303988	0.0400	0.430	1.1300	0.0380	0.0010	8.0300	18.230	0.0300
22	13102622	1.9050	1219.2	2438.4	40	1725	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400
23	13102623	1.9050	1219.2	2438.4	41	1755	268	650	55	84	A2304006	0.0300	0.440	1.1500	0.0380	0.0010	8.1000	18.250	0.0400
24	13102624	3.0480	1219.2	3048	17	1482	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
25	13102625	3.0480	1219.2	3048	19	1656	280	675	54	84	A1303883	0.0400	0.390	1.1300	0.0350	0.0010	8.0200	18.120	0.0400
技术本部																			

兹证明所列产品均符合订单和标准的制造要求

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN

HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND

SPECIFICATION

*此报告仅可完全复制

*The report can only be copied completely

备注 (Remarks):

1. 尺寸和表面: 合格

Size and Surface: Guaranteed

技术本部

无锡宝昌金属制品有限公司

WUXI BAOCHANG METAL PRODUCTS CO., LTD.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.50" X 4.00" X 144.0000"
PART NO.

PO/Rel 29149

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results
17Jul15
Pg 1/1

BL PEC-944947-004

Signed by:

Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360



CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER 104212	ITEM 2
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BILL TO 10038 - B01-ThyssenKrupp Materials NA, Toro	MANIFEST NUMBER 8430	DIE NUMBER 1414	DATE OF SHIPMENT 6/16/2015	APPLICABLE REQUIREMENTS ASTM B221-14 AMS-QQ-A-200/8 (2012-09) T6511 also conforms to T6 ASME SB221-1998 sect II
SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Toro	CUSTOMER PO PEC-267444	ALLOY 6061	TEMPER T6511	SALESMAN Scott Rarick
CUSTOMER PART NUMBER 40-00675	DESCRIPTION Flat Bar 1.500" X 4.000", Stenciled			

Melted in USA
Manufactured in USA

DAS
14
9-89

Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
104212 2 1-A-1	6061	15060253	06/10/15	42.4	36.6	20%		

Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
ALLOY 6061																				
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15

Density:

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1506015	0.69	0.24	0.30	0.10	0.89	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	97.62	0.00

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prod), and FAR TAA (FAR 52.225-5 Trade Agreements) Temper T6511 meets T6 Requirements

Edward Vinacik
Quality Manager



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29149

Purchase Order Date 7/15/2015 2:40:24 PM
PO Print Date 7/15/2015

Page Number 1 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905-669-9444
Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:
Buyer Linda Lacelle
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB DDP - (Delivered Duty Paid)

Line Nbr	Reference	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable	CD	Reg Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304S16GA		304/316 Sheet .063	7/20/2015	Yes	64.00 sf	\$5.00	\$320.00

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

Line Total:	\$320.00
Line Total:	\$90.75
Line Total:	\$90.75

as above

Note:

7/15/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29149

Purchase Order Date 7/15/2015 2:40:24 PM
PO Print Date 7/15/2015

Page Number 3 of 3

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
Q/A VPK METAL
C/O T27540
PO BOX 4275 POSTAL A
TORONTO, ON M5W 5V8
CANADA

Contact Name

905-669-9444

Customer POID

Linda Lacelle

Ship To Contact

Ship To Phone

Ship Via:

Yours ppp

FOB

DDP - (Delivered Duty Paid)

Currency

USD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Buyer

Linda Lacelle

Ship Acct:

6 M174B0.250X4.000

17-4 SS Bar .250 X 4.00

7/20/2015

Yes

7/20/2015

12.00

f

\$17.55

\$210.60

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total:

\$210.60

PO Total:

\$1,177.35

M

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2 Change Date: 7/15/2015

15JUL15 13:13 S A L E S A C K N O W L E D G M E N T No: PEC ST-825763

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5G6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Term NET 30 DAYS/NET 30 JOURS
Prt PREPAID
Con 96294
Slp STAN IVERS (905-532-1350)
Ord 15JUL15 Due17JUL15
Via VIM DELIVERY
PO/Rel 29143
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO No PEC ST-825763
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL SHEET 304-2B
MATERIAL
.0600 Nom X 48.0000" X 96.0000"
2 PCS @ 160.0000 EA 320.00
ENERGY & CAP SURCHG 25.00
LOT 2 PCS @ 25.0000 LOT 25.00
1 PCS 33 LBS

2 STAINLESS STEEL SHEET 304-2B
MATERIAL
.0250 Nom X 48.0000" X 96.0000"
1 PCS @ 90.7500 EA 90.75
128 LBS

3 STAINLESS STEEL SHEET 304-2B
MATERIAL
.0480 Nom X 48.0000" X 96.0000"
2 PCS @ 128.0000 EA 256.00
128 LBS

4 ALUMINUM FLAT BAR 6061-T6511
MATERIAL
1.50" X 4.00" X 144.0000"
1 PCS @ 17.5000 FT 210.00
84 LBS

5 ALUMINUM FLAT BAR 6061-T6511
MATERIAL
1.250" X 2.00" X 144.0000"
1 PCS @ 12 FT 7.5000 FT 90.00
36 LBS

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***
*** WE STOCK STAINLESS STEEL!!! ***
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

15JUL15 13:13 Sold By: THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5G6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
Ship To: (1)
DART AEROSPACE

===== S A L E S A C K N O W L E D G M E N T SO No PEC ST-825763

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice
*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 5 Items 441 LBS
Material Processing Freight Other Taxes ORDER AMT
966.75 25.00 128.93 1,120.68
Taxes: ONHSTS 128.93

15JUL15 14:12 S A L E S A C K N O W L E D G M E N T No: PEC ST-825831

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Con 96294
Slp STAN IVERS (905-532-1350)
=====

S A L E S A C K N O W L E D G M E N T SO No PEC ST-825831
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL FLAT BAR 17-4
1 PCS 41 LBS
12 FT @ 17.5500 FT 210.60
MATERIAL

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **
** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

WE STOCK STAINLESS STEEL!!!
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 1 Items 41 LBS

Material Processing Freight Other Taxes ORDER AMT
210.60 27.38 237.98

Taxes: ONHSTS 27.38

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION	
ENGINEERING SIGNOFF (if required)	INSPECTED BY: <u>14 9-89</u>
SIGNED OFF BY:	DATE: <u>15/07/22</u>

Testers located in the Quality Office

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

MATERIAL CERT REC'D:	QUANTITY INSPECTED:	THICKNESS ORDERED:	SHEET SIZE RECEIVED:
<u>400</u>	<u>12'</u>	<u>1.500X4.00</u>	<u>1.500X4.00</u>
QUANTITY RECEIVED:	QUANTITY REJECTED:	THICKNESS RECEIVED:	SHEET SIZE ORDERED:
<u>400</u>	<u>12'</u>	<u>1.500X4.00</u>	<u>1.500X4.00</u>

MATERIAL: <u>1100616</u>	DATE: <u>15/07/22</u>
PO / BATCH NO.: <u>29149/1132797</u>	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 DATE: 15/07/22
 MATERIAL CERT REC'D: 421 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12 QUANTITY REJECTED: _____
 THICKNESS ORDERED: 2.00X1.25 THICKNESS RECEIVED: 2.06X1.25
 SHEET SIZE ORDERED: _____ SHEET SIZE RECEIVED: _____
 PO / BATCH NO.: 29149/M132397

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u>	SIGNED OFF BY: _____	DATE: <u>15/07/22</u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S24GA DATE: 15/07/22

MATERIAL CERT REC'D: 401
 QUANTITY RECEIVED: 32.5T
 QUANTITY INSPECTED: 32.5T
 QUANTITY REJECTED: _____

THICKNESS ORDERED: _____
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: 0.025"X4'X8'
 SHEET SIZE RECEIVED: 0.022"X4'X8'

PO / BATCH NO.: 29149/M132797

DESCRIPTION	NCR (Check Y/N)	COMMENTS
-------------	-----------------	----------

SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____	DATE: <u>15/07/22</u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 173045186-A DATE: 15/07/22

PO / BATCH NO.: 029147/M132797

MATERIAL CERT REC'D: 64 SF

QUANTITY RECEIVED: 64 SF

QUANTITY INSPECTED: 64 SF

QUANTITY REJECTED:

THICKNESS ORDERED:

THICKNESS RECEIVED:

SHEET SIZE ORDERED: 0.50" X 4' X 8'

SHEET SIZE RECEIVED: 0.45" X 4' X 8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUREMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS 14 089

DATE: 15/07/22

SIGNED OFF BY:

DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16A DATE: 15/07/22

MATERIAL CERT REC'D: 645A
 QUANTITY RECEIVED: 645A
 QUANTITY INSPECTED: 645A
 QUANTITY REJECTED: _____

THICKNESS ORDERED: _____
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: 603X4'X8'
 SHEET SIZE RECEIVED: 606X4'X8'

PO / BATCH NO.: 291491M132797

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS 14 9-89
 DATE: 15/07/22
 SIGNED OFF BY: _____
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in